

CURRICULUM VITA

PERSONAL AND FAMILY INFORMATION

Name: John H. Lauterbach, Ph.D., DABT, FRSC, CSci, CChem, FAIC, CPC

Addresses and other contact information

BUSINESS: Lauterbach & Associates, LLC
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EDUCATION

December 1970 Ph.D., Organic and carbohydrate chemistry
The Ohio State University, Columbus, OH
Advisor: Professor Derek Horton
Dissertation entitled, "Determination of the distribution of acetyl groups in partially acetylated carbohydrate derivatives by means of specific assignment of acetoxyl resonances in their proton magnetic resonance spectra."

June 1968 M.Sc., Organic chemistry
The Ohio State University, Columbus, OH
Advisor: Professor Derek Horton
Thesis entitled, "Studies on relative reactivities of hydroxyl groups in carbohydrates."

June 1966 B.S., Chemistry, with Distinction
Worcester Polytechnic Institute, Worcester, MA

PROFESSIONAL EXPERIENCE***Lauterbach & Associates, LLC, Macon, GA***

Owner and Principal, Principal, Chemistry and Toxicology, 1/07 – Present

Co-Owner and Principal, Chemistry and Toxicology, 10/04 – 12/06

Brown & Williamson Tobacco Corporation, Macon, GA, and Louisville, KY

Principal Scientist, Research & Development, 9/96 – 9/04

Director, Research Services, Research & Development, 3/93 – 8/96

Manager, Research Services, Research & Development, 5/89 – 3/93

Manager, Materials Research, Research & Development, 8/87 – 5/89

Division Head, Analytical Research, Research & Development, 9/80 – 8/87

Professional Service Industries, Inc., Oak Brook, IL, and New Orleans, LA

Director, Chemistry, 9/79 – 5/80

The Pillsbury Company, Minneapolis, MN

Manager, Chemistry, 1/78 – 8/79

National Starch & Chemical Corporation, Plainfield, NJ, and Bridgewater, NJ

Manager, Central Technical Evaluations, 12/73 – 1/78

Project Supervisor, Central Technical Evaluations, 12/71 – 12/73

Union Carbide Chemicals & Plastics Co., Bound Brook, NJ

Chemist, Analytical Research, 11/70 – 11/71

SYNOPSIS OF MOST RECENT INDUSTRIAL JOB ACCOUNTABILITIES AND ACHIEVEMENTS***Lauterbach & Associates, LLC****Accountabilities*

1. Develop new business opportunities for the firm's consultants.
2. Maintain contact with and meet the needs of existing clients for tobacco science, chemistry, and toxicology consulting services.
3. Conduct original research in the fields of tobacco science, chemistry, and toxicology for presentation at scientific meetings and publication in technical journals.
4. Serve as corporate representative to industry technical committees.
5. Maintain certifications in chemistry and toxicology.

Achievements

1. Presented over thirty papers at scientific meetings and was co-author of eight journal articles in 2005 – 2010 on toxicology and chemistry of tobacco, tobacco products, and tobacco smoke, including simplified assessment protocols for potentially reduced exposure products (PREPS).
2. Obtained consulting contracts with one domestic cigarette manufacturer and one international cigarette manufacturer within first year of business.
3. Obtained additional consulting contracts with suppliers to the tobacco industry.
4. Obtained corporate memberships for firm in CORESTA and US Technical Advisory Group (TAG) to ISO Technical Committee (TC) 126 on Tobacco and Tobacco Products.
5. Completed client projects in the areas of filter design, qualification of packaging materials, additive transfer rates, and qualification of suppliers of purchased services.
6. Passed recertification tests and met other requirements in 2005 for renewal of certifications in chemistry and toxicology.

Most recent position at Brown & Williamson Tobacco Corporation*Accountabilities*

1. Serve as project leader for complex projects such as the toxicological evaluations of novel cigarette designs, construction materials, and additives.
2. Manage the development and production of test and control products used for toxicological evaluations.
3. Manage the development and conduct of *in vitro* assays and other specialized tests performed by contract research organizations.
4. Develop correlations among tobacco chemistry, smoke chemistry, cigarette designs, and smoke toxicity.
5. Participate in the development of positions on smoking-related diseases, tobacco additives, and cigarette designs.
6. Serve as Secretary, Human Research Review Committee.

Achievements

1. Led project and prepared final report on the toxicological evaluation of a novel cigarette paper designed for reduced ignition propensity.
2. Led project and prepared final report on the use of rodent (S-D rats) respiratory depression assays to distinguish among various types of selective cigarette filtration.
3. Developed and published theoretical basis for claim that the use of ammonia-containing additives does not increase smoke pH.
4. Authored position papers on novel ingredients and processes for tobacco products.
5. Developed equations to predict deliveries of Hoffmann analytes from tobacco chemical and cigarette design parameters.
6. Served as co-leader of rodent inhalation project that has validated the combination of a new inhalation-smoking machine and a new inhalation protocol.

Past positions at Brown & Williamson Tobacco*Accountabilities*

1. Had complete responsibility for analytical research functions from 9/80 – 2/95.
2. Had complete responsibility for routine analytical function from 5/89 – 8/96.
3. Also had responsibilities for statistics group (9/80 – 8/87, 4/91 – 2/95), off-site sensory testing facility (4/91 – 6/93), and microbiology (9/94 – 8/96).

Achievements

1. Hired and developed scientists who are today's key analytical laboratory managers.
2. Served as BAT Group Analytical Coordinator from 1993 to 1997, and chaired BAT Analytical Specialists' meeting, Hamburg, FRG, March 1994.
3. Consolidated research and routine analytical functions such that costs were reduced (40% reduction in CPRR in 18 months from project initiation), quality improved, and customers had seamless interface for their analytical work.
4. Led successful reverse engineering projects on major competitive brands as well as reaction products that were essential elements of those brands.
5. Led multidisciplinary team that determined that changes in sensory panel results for "same" products were due to actual product differences as opposed to errors by panel members; led the development of analytical protocols for determining sources of consumer complaints on "odd-taste."
6. Led the design team for the analytical laboratories in the Macon, GA, Technical Center.
7. Guided the design and successful implementation of three laboratory information management systems and associated chromatography data systems.
8. Justified and installed new instrumentation such that obsolete systems were replaced with state-of-the-art automated instrumentation.

9. Guided and managed numerous methods development projects that resulted in development of B&W Standard Methods of Analyses, which gave improved quality of results, reduced cycle times, and/or reduced cost per reportable result.

CERTIFICATIONS AND MEMBERSHIPS

Certifications

Chartered Scientist, The Science Council, designation granted November 2004.

Certified Toxicologist and Diplomate, American Board of Toxicology, designation granted November 2001 and renewed 2006.

Chartered Chemist, The Royal Society of Chemistry, designation granted May 1992.

Certified Professional Chemist, National Certification Commission in Chemistry and Chemical Engineering, latest recertification granted June 2005.

Memberships

Fellow, The American Institute of Chemistry.

Fellow, The Royal Society of Chemistry.

Member, American Chemical Society (including Divisions of Analytical Chemistry, Carbohydrate Chemistry, Chemical Toxicology, Environmental Chemistry, and Small Chemical Businesses).

Professional Member, Institute of Food Technologists.

Member, American Society for Testing and Materials (including Subcommittees D01 on paint and Coatings, E13 on Spectroscopy and Chromatography, and E18 on Sensory Testing).

Member, Society of the Sigma Xi.

Associate Member, Society of Toxicology.

OTHER EDUCATION AND TRAINING

Technical courses

Comparative Biology of the Lung, Society of Toxicology, March 7, 2010, Salt Lake City, UT.

Gene-Environment Interactions Influence Cytokine Biology in Immunotoxicity and Disease: Genomic, Genetic, and Epigenetic Perspectives, Society of Toxicology, March 7, 2010, Salt Lake City, UT.

New Frontier in Metal Toxicology: Genetic Susceptibility, Early Diagnosis, and Related Biological Indices, Society of Toxicology, March 15, 2009, Baltimore, MD.

Principles and Applications of Toxicokinetics, Society of Toxicology, March 15, 2009, Baltimore, MD.

22nd Annual Genetic & Molecular Toxicology Workshop, BioReliance, April 17-18, 2008, Gaithersburg, MD.

Use of Data for Development of Uncertainty Factors in Non-Cancer Risk Assessment, Society of Toxicology, March 16, 2008, Seattle, WA.

Dose-Response Modeling for Occupational and Environmental Risk Assessment, Society of Toxicology, March 16, 2008, Seattle, WA.

Essentials of Metal Toxicology, Society of Toxicology, March 5, 2006, San Diego, CA.

Xenobiotic Transporters, Society of Toxicology, March 5, 2006, San Diego, CA.

Frontiers in Aerosol Dosimetry Research Conference, University of California, October 24-25, 2005, Irvine, CA.

Immunology for Toxicologists, Society of Toxicology, March 6, 2005, New Orleans, LA.

Development and Interpretation of Toxicokinetic Data for Risk and Safety Assessment, Society of Toxicology, March 6, 2005, New Orleans, LA.

Charting the Future: Building the Scientific Foundation for Mixtures Joint Toxicity and Risk Assessment, Society of Toxicology, February 16-17, 2005, Atlanta, GA.

Idiosyncratic Toxicity: Understanding, Prediction, and Prevention, Cambridge Healthtech Institute, November 17-18, 2004, Philadelphia, PA.

Toxicity Biomarkers, Cambridge Healthtech Institute, November 15-16, 2004, Philadelphia, PA.

Symposium on Chemistry, Pharmacology, and Toxicology of Tobacco, Marijuana, and Related Substances: Pyrolysis Products, Division of Chemical Toxicology, American Chemical Society, March 26-27, 2000, San Francisco, CA.

Fundamentals of Molecular Biology and Genetic Engineering, The Center for Professional Advancement, March 3-5, 1999, New Brunswick, NJ.

Fundamentals of Biochemistry: Background for Biotechnology, The Center for Professional Advancement, March 1-2, 1999, New Brunswick, NJ.

Toxicology: Principles and Applications, ACS Short Courses, American Chemical Society, November 2-4, 1998, Charleston, SC.

Pharmacology for Chemists, ACS Short Courses, American Chemical Society, February 27 - March 1, 1998, New Orleans, LA.

Strategy of Experimentation, DuPont Professional Training Seminars, February 22-24, 1983, Louisville, KY.

Toxicology for Chemists, ACS Short Courses, American Chemical Society, November 1978, San Francisco, CA.

Chemical Carcinogenesis, ACS Short Courses, American Chemical Society, October 1978, Chicago, IL.

Atomic Absorption Spectroscopy, ACS Short Courses, American Chemical Society, June 1973, New York, NY.

Management courses

The Chemistry of Excellence Quality Seminar, Eastman Chemical, March 9, 1995, Kingsport, TN.

B&W Management Forum, March 8-14, 1992, Stone Mountain, GA.

Management Development Program, B.A.T Industries, June 8-28, 1986, Chelwood, Sussex, England.

IRI Basic Seminar Review, Industrial Research Institute, June 1985, Bedford, MA.

BATUS General Management Course, BATUS, June 10-28, 1984, Hilton Head, SC.

IRI Basic Seminar, Industrial Research Institute, June 19-30, 1983, Bedford, MA.

OTHER PROFESSIONAL EXPERIENCE

CORESTA

Corporate representative from Lauterbach & Associates, LLC, 9/05 – present.
Member, Smokeless Tobacco Subgroup, 10/08 – present.

Division of Small Chemical Businesses, American Chemical Society

Program Chair, 1/07 – 7/09.

Committee on Economic and Professional Affairs, American Chemical Society

Consultant, 1/05 – 1/08.

Middle Georgia Section, American Chemical Society, Macon, GA

Chair, 1/10 – present.
Chair-elect, 1/09 – 12/09.
Councilor, 9/01 – 12/04.

Tobacco Institute Testing Laboratory, Rockville, MD

Chairman of the Board of Directors, 10/93 – 1/98.

Tobacco Science Research Conference

Chair, Program Editorial Committee, 9/01 – 9/02.
Member, Program Editorial Committee, 9/99 – 9/01.

US Technical Advisory Group (TAG) to ISO TC126 on Tobacco and Tobacco Products

Corporate representative from Lauterbach & Associates, LLC, 1/05 – present.
Chairman, 3/93 – 1/98.
Chairman, US Delegation to Plenary Meeting of ISO TC126, Williamsburg, VA, 10/96.
Corporate representative from Brown & Williamson Tobacco, 6/91 – 1/98.

BAT Germany, Hamburg, Federal Republic of Germany

Seconded, 6/92 – 8/92.

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Louisville Section, American Chemical Society, Louisville, KY

Past-chair, 1/83 – 12/83.
Chair, 1/82 – 12/82.
Chair-elect, 1/81 – 12/81.

Minnesota Chromatography Forum, Inc., Minneapolis, MN

President-elect, 1979.

Symposium Chairman, 1979.

Co-incorporator, 1979.

Borough of Raritan, Raritan, NJ

Chairman, Environmental Commission, 1/76 – 5/78.

Department of Chemistry, The Ohio State University, Columbus, OH

Research Associate, 9/70 – 11/70.

Chief Teaching Assistant, Organic Chemistry, 9/68 – 6/70.

Chief Teaching Assistant, Analytical Chemistry, 9/67 – 6/68.

Teaching Assistant, Analytical Chemistry, 9/66 – 6/67.

National Starch & Chemical Corporation, Plainfield, NJ

Summer Technical Professional, Starch Research Group, 6/65 – 9/65.

U.S. PATENTS

1. Lauterbach, J.H. "Tobacco treatment process," US 6,131,584, October 17, 2000.
2. St. Charles, F.K., Lauterbach, J.H., Chao, L-C., Tang, J-Y., Chakraborty, B.B., and McMurtrie, A. "Dye for coloring cigarette paper," US 5,094,253, March 10, 1992.
3. Lauterbach, J.H. and Jenkins, C.B. "Moisture indicating ink and package having same," US 4,990,284, February 5, 1991.
4. Lauterbach, J.H. "Cigarette," US 4,893,638, January 16, 1990.

PUBLICATIONS

1. Bao, M., Joza, P., Rickert, W.S., Lauterbach, J.H. "An improved headspace solid-phase microextraction method for the analysis of free-base nicotine in particulate phase of mainstream cigarette smoke." *Analytica Chimica Acta* 2010, 663, pp. 49-54.
2. Lauterbach, J.H. "No secret." *Tobacco Reporter* 2010, March, pp. 26-29.
3. Lauterbach, J.H. "Technical aspects of tobacco regulation." *Tobacco Journal International* 2010, February/March, pp. 134-135.
4. Lauterbach, J.H. "Commentary – FDA is coming to a tobacco product manufacturing plant near you." *Journal of GXP Compliance* 2010, 14, pp. 92-96.
5. Rickert, W.S., Joza, P.J., Trivedi, A.H., Momin, R. Wagstaff, W., Lauterbach, J.H. "Chemical and toxicological characterization of commercial smokeless tobacco products available on the Canadian market," *Regulatory Toxicology and Pharmacology* 2009, 53, 121-33.
6. Rickert, W.S., Joza, P.J., Sharifi, M., Wu, J., Lauterbach, J.H. "Reductions in the tobacco specific nitrosamine (TSNA) content of tobaccos taken from commercial Canadian cigarettes and corresponding reductions in TSNA deliveries in mainstream smoke from such cigarettes," *Regulatory Toxicology and Pharmacology* 2008, 51, pp. 306-310.

7. Wu, J., Joza, P., Sharifi, M., Rickert, W.S., Lauterbach, J.H. "Quantitative method for the analysis of tobacco-specific nitrosamines in cigarette tobacco and mainstream cigarette smoke by use of isotope dilution liquid chromatography tandem mass spectrometry," *Analytical Chemistry* 2008, 80, pp. 1341-1345.
8. Rickert, W.S., Wright, W.G., Trivedi, A.H., Momin, R.A., Lauterbach, J.H. "A comparative study of the mutagenicity of various types of tobacco products," *Regulatory Toxicology and Pharmacology* 2007, 48, pp. 320-330.
9. Rickert, W.S., Trivedi, A.H., Momin, R.A., Wright, W.G., Lauterbach, J.H. "Effect of Smoking Conditions and Methods of Collection on the Mutagenicity and Cytotoxicity of Cigarette Mainstream Smoke," *Toxicological Sciences* 2007, 96, pp.285-293.
10. Li, Y., Li, A.C., Shi, H., Junga, H., Jiang, X., Naidong, W., Lauterbach, J.H. "Determination of S-phenylmercapturic acid in human urine using an automated sample extraction and fast liquid chromatography-tandem mass spectrometric method," *Biomedical Chromatography* 2006, 20, pp. 597-604.
11. Li, Y., Li, A.C., Shi, H., Zhou, S., Shou, W.Z., Jiang, X., Naidong, W., Lauterbach, J.H. "The use of chemical derivatization to enhance liquid chromatography/tandem mass spectrometric determination of 1-hydroxypyrene, a biomarker for polycyclic aromatic hydrocarbons in human urine," *Rapid Communications in Mass Spectrometry* 2005, 19, pp. 3331-3338.
12. Lauterbach, J.H. "Smoke chemistry: a useful predictor of smoke toxicology," *Recent Advances in Tobacco Science* 2002, 28, pp. 6-68.
13. Agyei-Aye, K., Chian, M.X., Lauterbach, J.H., Moldoveanu, S.C. "The role of the anion in the reaction of reducing sugars with ammonium salts," *Carbohydrate Research* 2002, 337, pp. 2273-2277.
14. Lauterbach, J.H. "A critical assessment of recent work on the application of gas/particle partitioning theories to cigarette smoke," *Beiträge zur Tabakforschung International* 2000, 19, pp. 65-83.
15. Dong, J-Z., Glass, J.N., Thompson, B.T., Price, B.F., Lauterbach, J.H., Moldoveanu, S.C. "A simple technique for determining the pH of whole smoke," *Beiträge zur Tabakforschung International* 2000, 19, pp. 33-48.
16. Lauterbach, J.H., Walker, K.M. "Recent advances in gas chromatography and their applications in tobacco research," *Recent Advances in Tobacco Science* 1986, 12, pp. 185-236.
17. Horton, D., Lauterbach, J.H. "Specific proton magnetic resonance spectral assignments of acetoxyl group resonances in methyl β -D-glucopyranoside tetraacetate and related derivatives," *Carbohydrate Research* 1975, 43, pp. 9-33.
18. Albano, E.L., Horton, D., Lauterbach, J.H. "Addition reactions of methyl 4,6-O-benzylidene-2,3-dideoxy- α -D-erythro-hex-2-enopyranoside," *Carbohydrate Research* 1969, 9, pp. 149-161.
19. Horton, D., Lauterbach, J.H. "Relative reactivities of hydroxyl groups in carbohydrate derivatives. Specific NMR spectral assignments of acetyl groups in methyl α -D-glucopyranoside tetraacetate and related derivatives," *Journal of Organic Chemistry* 1969, 34, pp. 86-92.
20. Albano, E.L., Horton, D., Lauterbach, J. H. "Addition reactions of a 2,3-unsaturated sugar," *Chemical Communications* 1968, pp. 357-358.

PRESENTATIONS

1. Lauterbach, J.H., J.H., Birrell, L., Cahill, P.A., Jagger, C., Billinton, N. "Genotoxicity studies on reference smokeless tobacco products using the GreenScreen HC GADD45a-GFP assay." 49th Annual Meeting of the Society of Toxicology, Salt Lake City, UT, March 7-11, 2010, Poster 1170.
2. Lauterbach, J.H. "Consumer satisfaction and FDA regulation." CITMA FDA Update and Training Seminar, a seminar sponsored by the Council of Independent Tobacco Manufacturers of America, Orlando, FL, February 4, 2010.
3. Lauterbach, J.H. "Good manufacturing practices: Preparing for regulations." Impact of FDA on Small Tobacco Manufacturers and Importers and their Suppliers, a seminar sponsored by the Council of Independent Tobacco Manufacturers of America, Atlanta, GA, November 17, 2009.
4. Lauterbach, J.H. "Mislabeling, misbranding, and product adulteration." Impact of FDA on Small Tobacco Manufacturers and Importers and their Suppliers, a seminar sponsored by the Council of Independent Tobacco Manufacturers of America, Atlanta, GA, November 17, 2009.
5. Lauterbach, J.H., Grimm, D.A. "Use of two GC-MS scan techniques for the characterization of reference smokeless tobacco products." CORESTA Study Group Meeting, Aix-en-Provence, France, October 18-22, 2009, Presentation SSPT 11.
6. Lauterbach, J.H., Grimm, D.A. "Characterization of reference and commercial moist snuff samples by use of two GC-MS scan techniques." 63rd Tobacco Science Research Conference, Amelia Island, FL, Program Booklet and Abstracts, Vol. 63, No. 81, 2009, p. 66-67.
7. Lauterbach, J.H. "Estimation of gas-particle partitioning of menthol in mainstream cigarette smoke under several different smoking conditions." 63rd Tobacco Science Research Conference, Amelia Island, FL, Program Booklet and Abstracts, Vol. 63, No. 68, 2009, p. 58-59.
8. Bao, M., Joza, P.J., Rickert, W.S., and Lauterbach, J.H. "Factors affecting the amount of free-base nicotine in mainstream cigarette smoke and the determination of same by SPME." 238th National Meeting of the American Chemical Society, Washington, DC, 2009, Paper #TOXI 2.
9. Lauterbach, J.H. "Banned in Nashville: the presentation that would have been too hot for the 62nd Tobacco Science Research Conference." 238th National Meeting of the American Chemical Society, Washington, DC, 2009, Poster #TOXI 52.
10. Lauterbach, J.H., Grimm, D.A. "Application of the direct silylation GC-MS scan technique for identifying potential toxicants in reference smokeless tobacco products." 238th National Meeting of the American Chemical Society, Washington, DC, 2009, Poster #TOXI 51.
11. Lauterbach, J.H. "Understanding how products are reverse engineered." 238th National Meeting of the American Chemical Society, Washington, DC, 2009, Paper #SCHB 4.
12. Lauterbach, J.H. "Some devils that may be lurking under the details of FDA tobacco regulations." This presentation was given on May 18, 2009, at the 94th Annual Meeting of the Tobacco Merchants Association, Williamsburg, VA.
13. Lauterbach, J.H. "The chemistry of tobacco and tobacco product regulation." This presentation was given at Fort Valley State University, Fort Valley, GA, on February 25, 2009, at a meeting of the Middle Georgia Section of the American Chemical Society.
14. Rood, B.E., Lauterbach, J.H. "Is there pentobarbital in tobacco," 62nd Tobacco Science Research Conference, Nashville, TN, Program Booklet and Abstracts, Vol. 62, No. 48, 2008, pp. 43-44.

15. Lauterbach, J.H., Grimm, D.A. "Application of direct silylation GC-MS scan technique to reference smokeless tobacco products," 62nd Tobacco Science Research Conference, Nashville, TN, Program Booklet and Abstracts, Vol. 62, No. 34, 2008, p. 36.
16. Lauterbach, J.H. "Are we focusing on the right toxicants for assessing the toxicological properties of smokeless tobacco products?" 236th National Meeting of the American Chemical Society, Philadelphia, PA, 2008, Paper #TOXI 94.
17. Lauterbach, J.H. "Starting a new consulting business in the South," 236th National Meeting of the American Chemical Society, Philadelphia, PA, 2008, Paper #SCHB 8.
18. Lauterbach, J.H. "Carbohydrate chemistry in the tobacco industry," 235th National Meeting of the American Chemical Society, New Orleans, LA, 2008, Paper #CARB 8.
19. Lauterbach, J.H. "Challenges of starting and running a small chemical business," 235th National Meeting of the American Chemical Society, New Orleans, LA, 2008, Paper #SCHB 2.
20. Lauterbach, J. H. "An overview of the revised hexavalent chromium standard," presentation to the Safety & Environmental Committee of the Macon Economic Development Commission, Macon, GA, on November 15, 2007.
21. Lauterbach, J.H. "How can you have transfer without the smoke? The story on sugar-ammonia chemistry that did not get the Pulitzer Prize," 61st Tobacco Science Research Conference, Charlotte, NC, Program Booklet and Abstracts, Vol. 61, No. 59, 2007, p. 51.
22. Lauterbach, J.H. "Recognizing and dealing with the misuse of chemical data for the evaluation of tobacco products," 61st Tobacco Science Research Conference, Charlotte, NC, Program Booklet and Abstracts, Vol. 61, No. 44, 2007, pp. 42-43.
23. Lauterbach, J.H. "What would you regulate if you were the regulator in charge of cigarettes?" 61st Tobacco Science Research Conference, Charlotte, NC, Program Booklet and Abstracts, Vol. 61, No. 38, 2007, pp. 38-39.
24. Lauterbach, J.H. "Problems with the use of risk-assessment approaches to estimate health risks from various smoking products," 234th National Meeting of the American Chemical Society, Boston, MA, 2007, Paper #TOXI 129.
25. Lauterbach, J.H. "Working as a solo practitioner after early retirement from industry," 234th National Meeting of the American Chemical Society, Boston, MA, 2007, Paper #SCHB 3.
26. Lauterbach, J.H. "The seventh dollar of sales," 234th National Meeting of the American Chemical Society, Boston, MA, 2007, Paper #SCHB 2.
27. Lauterbach, J.H. "Use and misuse of analytical data on tobacco products in a regulated environment," presentation was given May 7, 2007, at the 92nd Annual Meeting of the Tobacco Merchants Association, Williamsburg, VA.
28. Lauterbach, J.H. "Working as a solo practitioner: Dealing with professional and trade organizations," 233rd Meeting of the American Chemical Society, Chicago, IL, 2007, Paper #SCHB 1.
29. Lauterbach, J.H. "Differentiating the real and political toxicology of smokeless tobacco products," 60th Tobacco Science Research Conference, Montreal, Canada, Program Booklet and Abstracts, Vol. 60, No. 72, 2006, p. 59.

30. Lauterbach, J.H. "Are they all ineffective and give smoke that tastes bad?" 60th Tobacco Science Research Conference, Montreal, Canada, Program Booklet and Abstracts, Vol. 60, No. 69, 2006, p. 57-58.
31. Lauterbach, J.H., Kalaitzoglou, M., Samara, C. "Effects of cigarette design on estimated activity coefficients for some polycyclic aromatic hydrocarbons in mainstream cigarette smoke." 60th Tobacco Science Research Conference, Montreal, Canada, Program Booklet and Abstracts, Vol. 60, No. 49, 2006, p. 46.
32. Lauterbach, J.H. "A review of some research presented at the Twentieth Tobacco Chemists' Research Conference: Part 2. Complexed cyanide in collected smoke – is it still viable at age forty?" 60th Tobacco Science Research Conference, Montreal, Canada, Program Booklet and Abstracts, Vol. 60, No. 37, 2006, p. 38-39.
33. Lauterbach, J.H. "A review of some research presented at the Twentieth Tobacco Chemists' Research Conference: Part 1. A celebration of the fortieth anniversary of the application of gas-particle partitioning theory to the cigarette mainstream smoke aerosol," 60th Tobacco Science Research Conference, Montreal, Canada, Program Booklet and Abstracts, Vol. 60, No. 36, 2006, p. 37.
34. Lauterbach, J.H. "Use of the Rozman Scale in tobacco carcinogenesis," 232nd National Meeting of the American Chemical Society, San Francisco, CA, 2006, Paper #TOXI 96.
35. Lauterbach, J.H. "Consulting: Challenges and opportunities," 232nd National Meeting of the American Chemical Society, San Francisco, CA, 2006, Paper #SCHB 12.
36. Lauterbach, J.H. "The Portland to Bethesda to Atlanta nicotine express - the perils of ignoring particulate-phase water when studying gas-particle partitioning of nicotine and other semivolatile organics in cigarette mainstream smoke," 59th Tobacco Science Research Conference, Atlanta, GA, Program Booklet and Abstracts, Vol. 59, No. 57, 2005, p. 49.
37. Lauterbach, J.H. "A review of selective filtration studies from the nineteen sixties and nineteen seventies," 59th Tobacco Science Research Conference, Atlanta, GA, Program Booklet and Abstracts, Vol. 59, No. 56, 2005, p. 49.
38. Lauterbach, J.H. "Understanding what some outsiders think of PREPS - A review of the Minnesota TTURC publication, 'Hope or Hazard?'," 59th Tobacco Science Research Conference, Atlanta, GA, Program Booklet and Abstracts, Vol. 59, No. 55, 2005, p. 48.
39. Lauterbach, J.H. "How much testing is necessary to call a PREP a PREP?" 59th Tobacco Science Research Conference, Atlanta, GA, Program Booklet and Abstracts, Vol. 59, No. 54, 2005, p. 48.
40. Lauterbach, J.H., Chen, F. "Smoke chemistry: Is there a correlation with lung cancer epidemiology?" 230th National Meeting of the American Chemical Society, Washington, DC, 2005, Paper #TOXI 37.
41. Lauterbach, J.H. "PREPS and the Smaller Tobacco Companies," presented at the Reduced Risk Review, Life Sciences Research Organization, April 27, 2005, Bethesda, MD.
42. Lauterbach, J.H. "Effects of selective filtration on rodent respiratory depression," 58th Tobacco Science Research Conference, Winston-Salem, NC, Program Booklet and Abstracts, Vol. 58, No. 65, 2004, p. 61.
43. Lauterbach, J. H. "Which Ames is which? Lessons learned from some recent studies on mainstream smoke condensate mutagenicity using the Ames assay," 58th Tobacco Science Research Conference, Program Booklet and Abstracts, Winston-Salem, NC, Vol. 58, No. 63, 2004, p. 60.

44. Li, Y., Shi, H., Zhou, S., Weng, N., Lauterbach, J.H. "Development and validation of LC/MS/MS methods with 96-well mixed-mode solid-phase-extraction for the analysis of S-phenyl mercapturic acid and 3-hydroxypropyl mercapturic acid in human urine," 58th Tobacco Science Research Conference, Winston-Salem, NC, Program Booklet and Abstracts, Vol. 58, No. 53, 2004, p. 53.
45. Li, Y., Shi, H., Zhou, S., Weng, N., Lauterbach, J.H. "Development and validation of an improved LC/MS/MS method for the determination of 1-hydroxypyrene in human urine," 58th Tobacco Science Research Conference, Winston-Salem, NC, Program Booklet and Abstracts, Vol. 58, No. 52, 2004, p. 52.
46. Lauterbach, J.H., St. Charles, F.K. "The Oregon to Massachusetts Nicotine Connection – the pitfalls of ignoring simple acid-base chemistry," 58th Tobacco Science Research Conference, Winston-Salem, NC, Program Booklet and Abstracts, Vol. 58, No. 41, 2004, p. 46.
47. Appleton, S., Krautter, G.R., Lauterbach, J.H. "Influence on puff volume, puff frequency and vent-blocking on the mutagenicity of mainstream smoke condensate," 57th Tobacco Science Research Conference, Norfolk, VA, Program Booklet and Abstracts, Vol. 57, No. 45, 2003, p. 45.
48. Lauterbach, J.H., Appleton, S., Krautter, G.R. "Toxicological evaluation of a new cigarette paper designed for lowered ignition propensity," 57th Tobacco Science Research Conference, Norfolk, VA, Program Booklet and Abstracts, Vol. 57, No. 16, 2003, p. 27.
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Copies of the following reports are available on the Internet at <http://legacy.library.ucsf.edu/>. The most effective way of using this site is to use the advance search function and use the search term "lauterbach" in the "authors" field. Search results can then be sorted by organization and date. Also available at that site are copies of numerous monthly progress reports and miscellaneous correspondence, as well as copies of reports written by my subordinates, including numerous new and/or revised standard methods for use by various analytical laboratories. The listing below is not inclusive.

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